

Fig 1. Circuit board parts placement and trace routings. Copper traces on the top of the board are shown in bold outline, useful if you need to trace the circuit though areas covered by ICs or other parts. Traces on the bottom of the board and their connections to components are shown in grey.

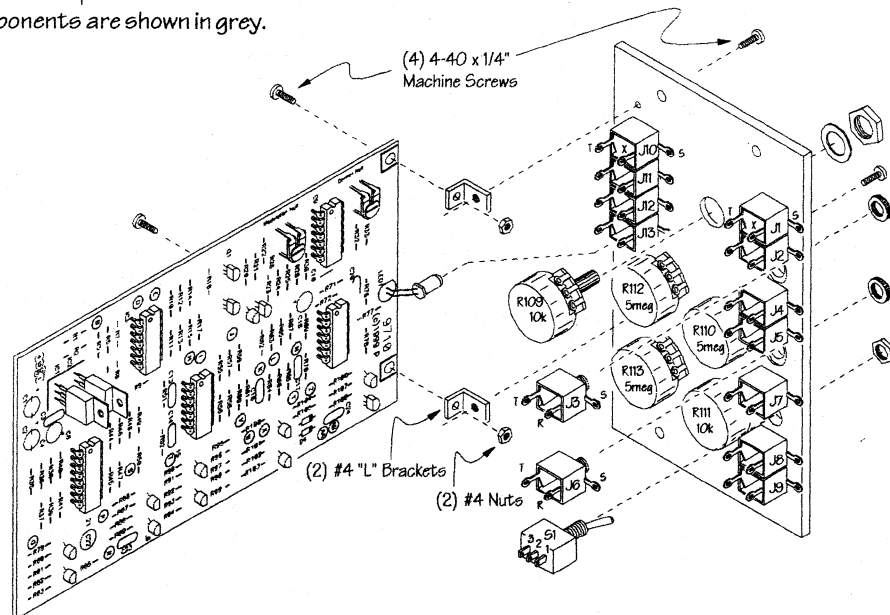


Fig 2. J3 and J6 are Stereo (TRS) Jacks and the rest are Closed Circuit types. The Front Panel attaches to the circuit board with "L" brackets and #4 hardware. Note that the threaded bracket holes are used to attach the brackets to the panel.

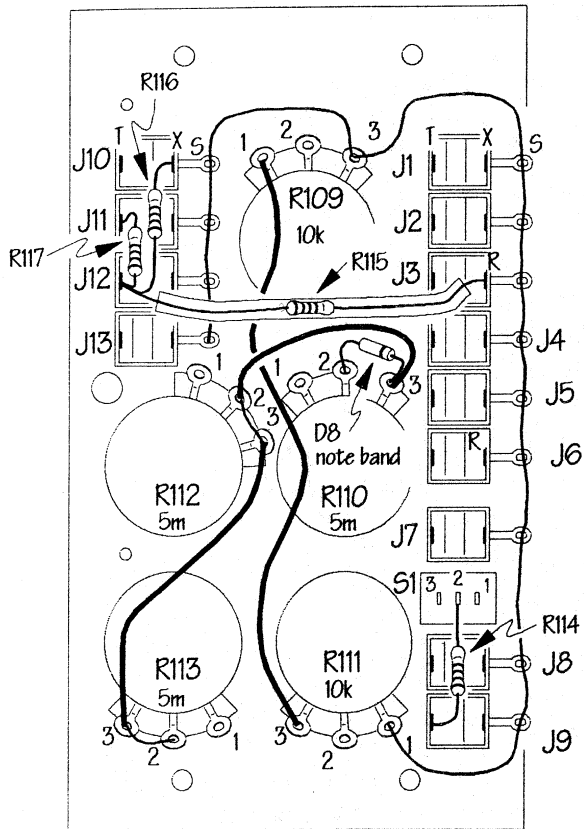
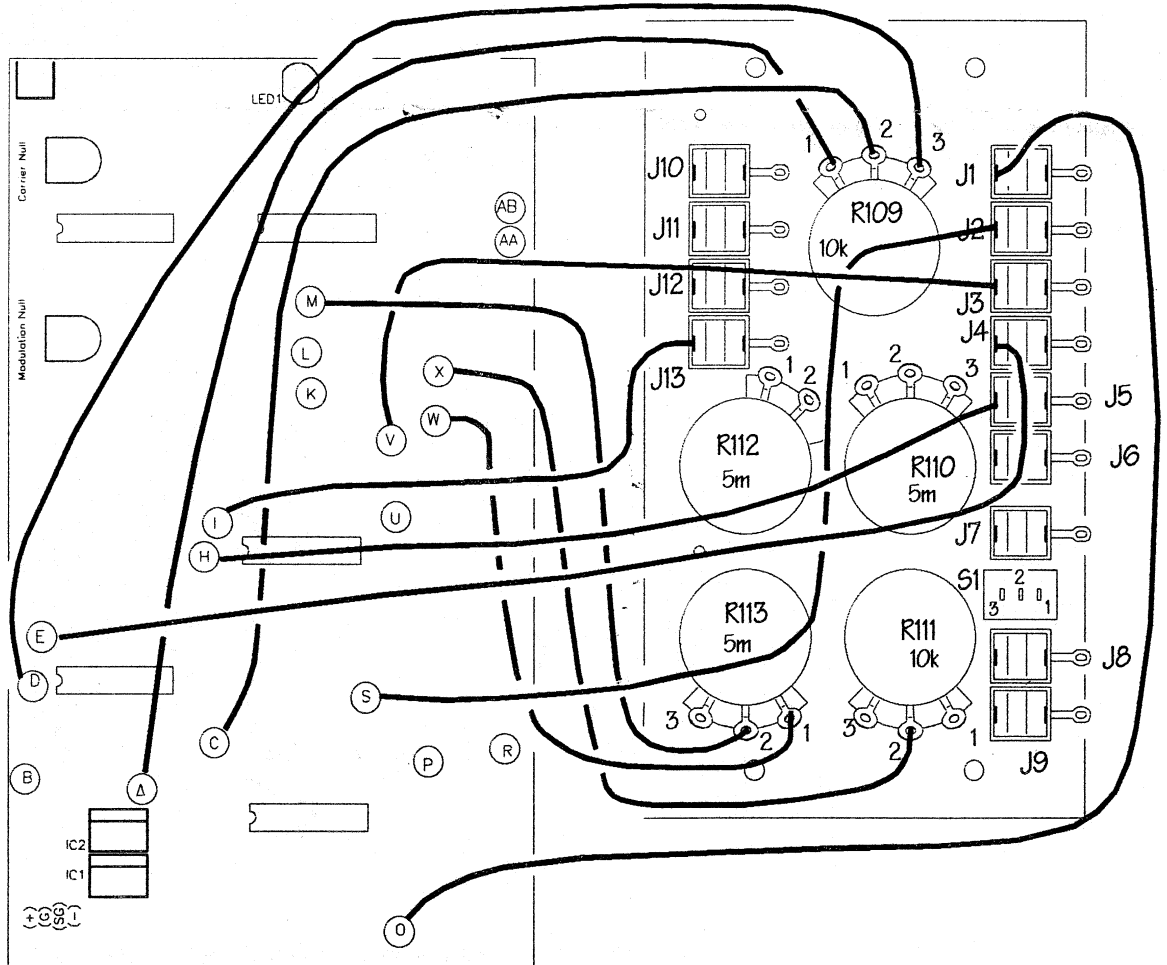


Fig 3 (left). Wiring on the panel uses bare wire and #22 stranded, insulated wire. Connecting to the "S" (Gleeve) lugs of J10-J13 will be easier if done before the potentiometers are mounted. Note the insulation over R115.

Fig 4 (below). #22 insulated, stranded wire is used for the connections between front panel and circuit board. Previous wiring has been eliminated for clarity.



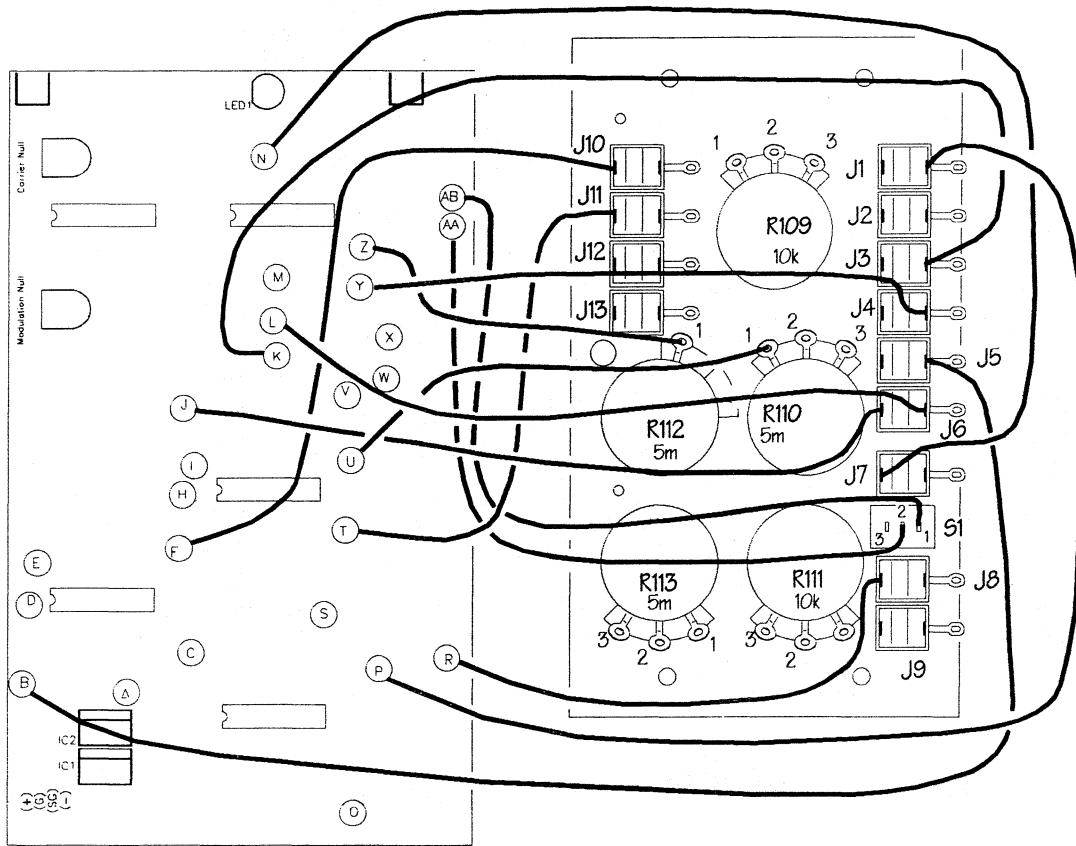
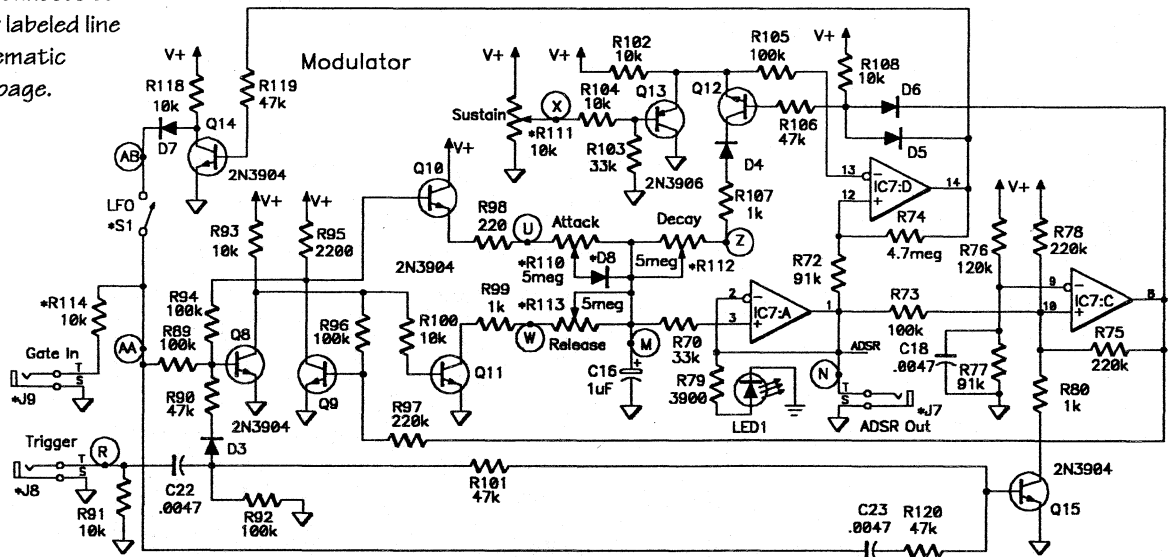


Fig 5. Wiring between panel and circuit board continues with #22 stranded, insulated wire as above. Previous connections omitted for clarity.

Fig 6 - The 9710 ADSR Modulator schematic. Notice line labeled "ADSR" above J7 which connects to correspondingly labeled line in the VCAs schematic on the following page.



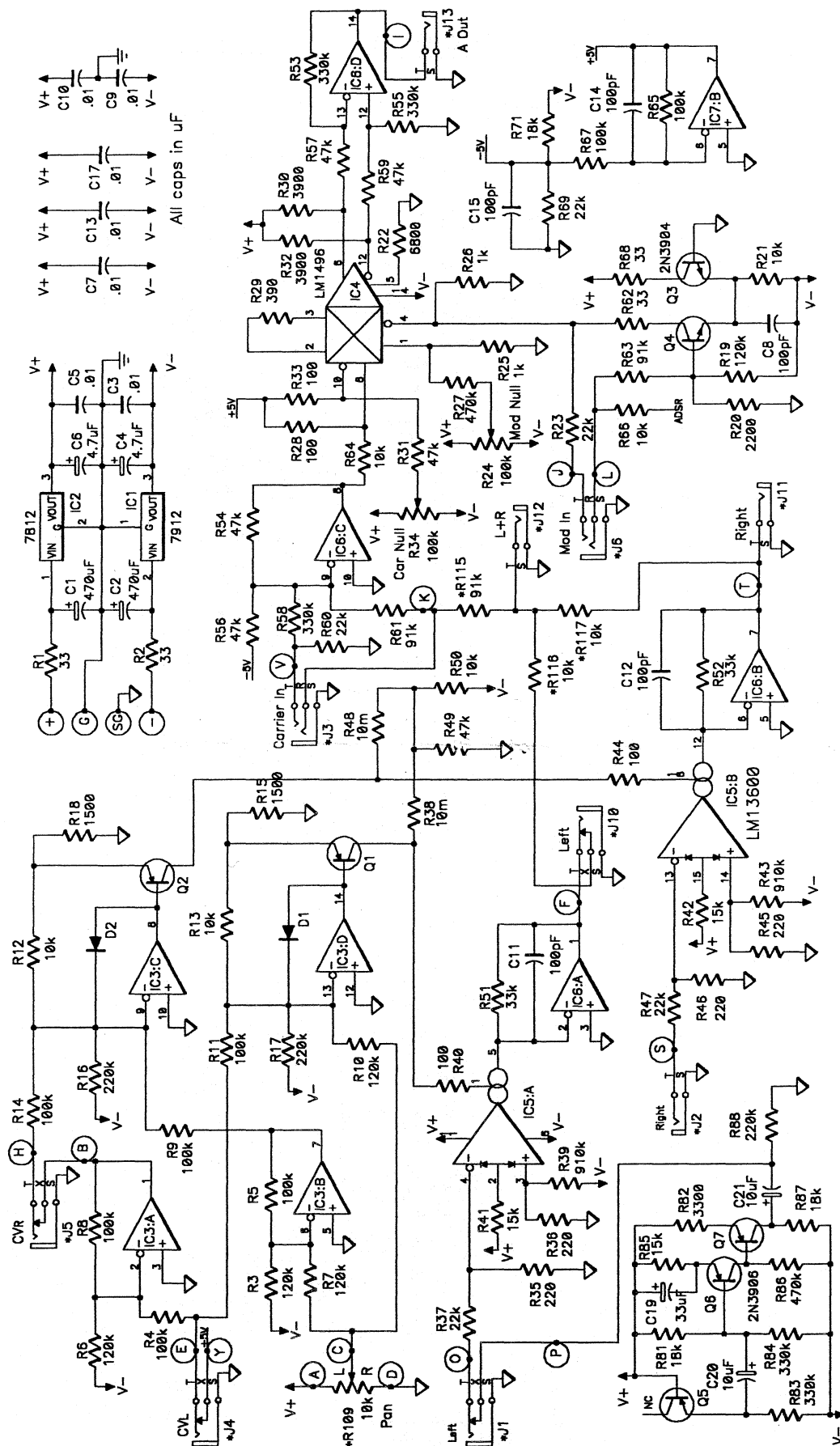


Fig 7. Triple VCA schematic. A 1496 type Balanced Modulator is used for one VCA while 13700 OTAs are used for the other two. Notice line labeled "ADSR" below R66 which connects to corresponding line in the Modulator schematic fig 6.